

In re Application of
Asakawa and Hasegawa
Application No.: Not yet assigned
Filed: February 8, 2001
Based on International Appl. No. PCT/JP99/04333
International Filing Date: August 10, 1999
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Attorney Docket No.: SHIM1100

EXHIBIT A

CLAIMS UPON ENTRY OF THE AMENDMENT

1. An RNA molecule that forms a complex capable of cell infection, autonomous RNA replication, and contact infiltration, but incapable of dissemination, wherein said RNA comprises genes involved in contact infiltration and autonomous RNA replication, but no or inactivated genes involved in dissemination.
2. The RNA molecule according to claim 1, wherein genes encoding a protein that interacts with the envelope and the virus core is deleted or inactivated.
3. The RNA molecule according to claim 2, wherein said protein that interacts with the envelope and the virus core is Matrix protein (M protein).
4. The RNA molecule according to claim 1, wherein said RNA molecule is derived from a non-segmented (-)RNA virus.
5. The RNA molecule according to claim 1, wherein said RNA molecule is derived from Sendai virus and comprises no or inactivated gene encoding M protein.
6. (Amended) The RNA molecule of claim 1, wherein said RNA molecule comprises a foreign gene.
7. (Amended) A cell comprising the RNA molecule of claim 1, wherein the cell is capable of allowing said RNA to replicate and transmitting said RNA to another cell through contact infiltration.

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8. (Amended) A DNA molecule comprising a template DNA for transcribing the RNA molecule of claim 1 *in vitro* or in cells.

9. (Amended) A complex capable of cell infection, autonomous RNA replication, and contact infiltration, but incapable of dissemination, wherein said complex comprises the RNA molecule of claim 1 and a virus structure without nucleic acid.

10. (Amended) A kit comprising

a) the RNA molecule of claim 1, a cRNA of said RNA, or a unit that is capable of biosynthesizing said RNA or said cRNA, and

b) a group of enzymes required for replication of said RNA or said cRNA, or a unit that is capable of biosynthesizing said enzymes.

11. (Amended) The kit according to claim 10, wherein

a) the RNA molecule of claim 1 is derived from Sendai virus and comprises no or inactivated gene encoding M protein, and

b) the group of enzymes comprises all of the proteins, NP, P/C, and L of Sendai virus.

12. (Amended) A method for producing a complex capable of cell infection, autonomous RNA replication, and contact infiltration, but incapable of dissemination, the method comprising introducing into a host

a) the RNA molecule of claim 1, a cRNA of said RNA, or a unit that is capable of biosynthesizing said RNA or said cRNA, and

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b) a group of enzymes required for replication of said RNA or said cRNA, or a unit that is capable of biosynthesizing said enzymes.

13. (Amended) The method according to claim 12, wherein

- a) the RNA molecule of claim 1 is derived from Sendai virus and comprises no or inactivated gene encoding M protein, and
- b) the group of enzymes comprises all of the proteins, NP, P/C, and L of Sendai virus.

14. A method for expressing a foreign gene, wherein said method comprises inoculating the cell of claim 7 into a nonhuman mammal and allowing a cell contacted with said cell to express a foreign gene.

15. The kit according to claim 10, wherein

- a) the RNA molecule comprises a foreign gene, and
- b) the group of enzymes comprises all of the proteins, NP, P/C, and L of Sendai virus, or a unit that is capable of biosynthesizing said proteins.

16. The method according to claim 12, wherein

- a) the RNA molecule comprises a foreign gene, and
 - b) the group of enzymes comprises all of the proteins, NP, P/C, and L of Sendai virus, or a unit that is capable of biosynthesizing said proteins.
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